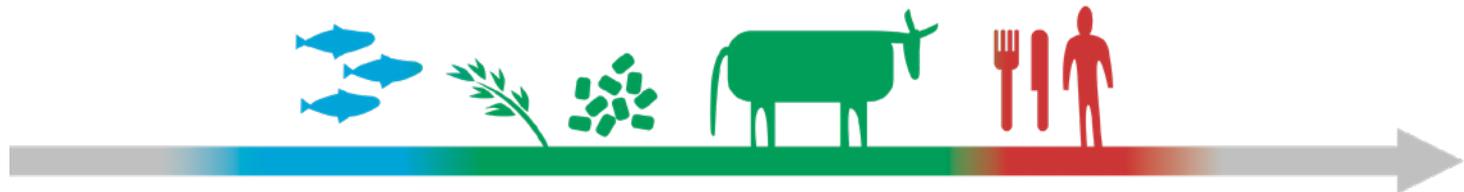


Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties

EURL-*Salmonella* workshop 23/05/2022

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Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties

Location



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The Norwegian Veterinary Institute Established in 1891

In May 2021 the Oslo department moved to its new location and new buildings at Ås.

From 2022, all *Salmonella*-activities of the NRL-*Salmonella* will take place here



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Official laboratories for *Salmonella*-testing in Norway

- After a call for tenders the official laboratories are designated by the Norwegian Food Safety Authority for a periode of four years.
- Eight official laboratories in Norway
 - Seven private labs of which six belong to Eurofins.
 - Testing samples in the *Salmonella* surveillance programme from slaughter houses and cutting plants
 - Norwegian Veterinary Institute
 - Testing samples from live animals in the *Salmonella* surveillance programme

Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties according to EU Regulation 625/2017 Article 101

- (a) «collaborate with the EURL-*Salmonella* and participate in training courses and in ring-trials»
 - participation in the annual ring trials organised by the EURL-*Salmonella* since 2000
 - participation in the annual workshops since 2004

Other collaboration

- Submitting requested relevant strains and sharing WGSs with the EURL during multinational outbreaks.

Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties according to EU Regulation 625/2017 Article 101

- *(b) «Coordinate the activities of the official laboratories... with a view of harmonising and improving the methods of laboratory analysis,....»*
 - Accreditation is a provision for the official labs
 - The ISO 6579-1 is the reference method for *Salmonella* detection.
 - Alternative methods are approved for the testing of official samples in Norway provided they are validated against the reference method according to ISO 16140-2.
 - The matrices of the ring trials they participate in should be relevant -important with real faecal samples.
 - The official labs are reporting the ring-trials they participate in to the NRL. Last year there was one non conformance in one of the labs. It was satisfactorily dealt with.



Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties according to EU Regulation 625/2017 Article 101

- *(b) «Coordinate the activities of the official laboratories... with a view of harmonising and improving the methods of laboratory analysis,....»*
 - The NRL-*Salmonella* Norway organise annual meetings with the official labs and The Norwegian Food Safety Authority
 - share relevant information from the EURL-*Salmonella* and distribute a [link to its website](#)
 - communicate any development or changes in the ISO 6579-1 etc.
 - go through the present epidemiological situation for *Salmonella* in the EU and in Norway - and share link to the [EU One health zoonosis report](#)
 - give information about the activities of the NRL-*Salmonella*
 - Stress the importance of their role as official labs in the fight against *Salmonella*, and illustrate this by examples on how the source of recent human *Salmonella* outbreaks have been effectively traced thanks to their good work and cooperation. Praising is important when deserved.
 - A recurring issue is that all information and metadata should follow *Salmonella* isolates that are sent to the NRL for confirmation and serotyping.

Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties according to EU Regulation 625/2017 Article 101

- *«(c) Where appropriate, organise inter-laboratory comparative testing or proficiency tests... , follow-up»*
 - The NRL-*Salmonella* does not produce any *Salmonella* proficiency tests
 - The official lab that analyse samples from live animals are referred to
The Scandinavian interlaboratory comparison study on the detection of *Salmonella* in material from animal production, which is produced by the Swedish NRL-*Salmonella*. The matrix is faeces from a different species every year.
- *«(d) ensure the dissemination to the competent authorities and official laboratories of information that the EU reference laboratory supplies;*
 - This is done on the annual meeting with the official labs and the *Norwegian Food Safety Authority*.
 - Information is also shared on a day to day basis when necessary. For instance when the NRL has received information about ongoing outbreaks from the EURL.

Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties according to EU Regulation 625/2017 Article 101

- *«(e)provide... ..scientific and technical assistance to the competent authorities for the implementation of MANCPs... ..and coordinated control programmes.»*
- The Norwegian *Salmonella* surveillance programmes were established in 1995, and launched simultaneously with comparable programmes in Sweden and Finland. The program for poultry was revised and updated in 2006. The present *Salmonella* programme has been established pursuant to Article 5 of regulation (EC) 2160/2003 of the European Parliament and of the Council of 17 November 2003 on the control of Salmonella and other specified food-borne zoonotic agents. The programmes are approved by the EU Commission, allowing Norway to require additional guarantees regarding *Salmonella* when importing live animals and food products of animal origin from the European Union.

Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties according to EU Regulation 625/2017 Article 101

- *«(e)provide... ..scientific and technical assistance to the competent authorities for the implementation of MANCPs... ..and coordinated control programmes.»*
- The Norwegian Veterinary Institute (NRL-*Salmonella*) coordinates the surveillance programmes, examines the samples from live animals and reports the results. Private official laboratories perform the examination of samples collected at slaughterhouses and cutting plants.

Salmonella surveillance 2020; species - matrix	Samples n
Poultry - bootswabs, dust	8882
Swine – faeces	1496
Swine and cattle – mesenterial lymph nodes	6218
Swine and cattle – carcass swabs	2865
Crushed red meat	2785

Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties according to EU Regulation 625/2017 Article 101

- *(f) «where relevant, validate the reagents and lots of reagents, establish and maintain up-to-date lists of available reference substances and reagents and of manufacturers and suppliers of substances and reagents;»*
 - Validation not relevant so far
 - Reference materials: Link to the EURL-*Salmonella* website:
<https://www.eurlsalmonella.eu/publications/analytical-methods>

Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties according to EU Regulation 625/2017 Article 101

- *(g) «where necessary, conduct training courses for the staff of official laboratories...»*
 - Not necessary so far

Activities of the NRL-*Salmonella* Norway to fulfill tasks and duties according to EU Regulation 625/2017 Article 101

- *(h) «assist actively the Member State.. ..in the diagnosis of outbreaks.. ..carrying our confirmatory diagnoses, characterisation and epizootic or taxonomic studies on pathogen isolates.....»*
- In Norway, any detection of *Salmonella* in food, feed, water and animals is notifiable.
 - All non human *Salmonella* strains are referred to the NRL-Salmonella for confirmation and serotyping.
 - The *Norwegian Food Safety Authority* and the *National Institute of Public Health* is notified by a copy of the results from the serotyping.
 - All *Salmonella* isolates are stored and kept on record at the NRL.
 - *Salmonella* isolates from food and animals, and strains of the top five *Salmonella* serovars among humans in the EU and in Norway are routinely whole genome sequenced regardless of matrix.
 - The sequences are shared with relevant laboratories for outbreak investigation.
 - A selection of the *Salmonella* isolates is included in the AMR-surveillance programme every year.
- The epidemiological status for *Salmonella* is reported from the NRL
 - by daily updates during outbreaks
 - annually in the Salmonella report

Thank you!



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